| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |

Application No. 10/782,793

Art Unit

Applicant(s)

Hosokowa etal

Examiner

Louis J. Casaregola

3746

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected i Interference

Appeal Α o Objected

|          |               |              |                 |          |          |                 | •                  | _ `       |          |       |  |          |                  |                    |         |  |                |          |         |          |  |            |          |          | _        |          |          |           |                |                |          |
|----------|---------------|--------------|-----------------|----------|----------|-----------------|--------------------|-----------|----------|-------|--|----------|------------------|--------------------|---------|--|----------------|----------|---------|----------|--|------------|----------|----------|----------|----------|----------|-----------|----------------|----------------|----------|
| Cla      | im_           |              |                 |          |          |                 |                    | CI        | aim      |       | Date   |          |                  |                    |         | ]                                      | CI             | aim      | Date    |          |  |            |          |          |          |          |          |           |                |                |          |
| Final    | Original      | 9            | 4/1/0           |          |          |                 |                    |           |          |       | Final  | Original |                  |                    |         |  |                |          |         |          | Final  | Original   |          |          | ٠        |          |          |           |                |                |          |
|          | Δ             | 1            | 7               | -        |          | $\vdash$        |                    |           |          | 1     |  | 51       |                  | 工                  |         |  |                |          |         |          |  | 101        |          | -        | -        | •        |          |           |                |                |          |
|          | 2             | ī            |                 |          |          |                 |                    |           |          | ]     |  | 52       |                  | $\Box$             |         |  |                |          |         |          |  | 102        | $\Box$   |          |          |          |          |           |                |                |          |
|          | 3             | П            | Ш               | L        | _        | L               | $\sqcup$           |           |          |       | L  | 53       | $\sqcup$         | 4                  | _       | 1                                      | Ш              | _        | $\bot$  | 4        |  | 103        | _        | 4        | 4        | _        | _        | $\vdash$  | Ш              | <u> </u>       | L        |
|          | 4             | Н            | Ш               | <u> </u> | <u> </u> | $\vdash$        | $\sqcup$           | _         |          |       |  | 54       | $\sqcup$         | 4                  | -       | -                                      | $\vdash$       | $\dashv$ | +       | 4        | <u> </u>   | 104        | -        | -        |          | _        | <b> </b> |           | Н              | H              | Ł        |
|          | 5             | Н            | Ш               |          | ├-       | $\vdash$        | $\vdash$           | -+        |          | 4     |  | 55<br>56 | ┰                | +                  | +-      | ╀                                      | $\vdash$       | $\dashv$ | +       | -        |  | 105<br>106 | $\dashv$ | -        | $\dashv$ |          |          | Н         | $\vdash\vdash$ | $\vdash$       | H        |
| -        | <u>6</u><br>7 | Н            | Н               |          | ⊢        | Н               | ${oldsymbol{ert}}$ |           |          | ┨     |  | 57       | $\vdash$         | +                  | +       | ╁╌                                     | $\vdash$       | $\dashv$ | +       | -        |  | 107        |          | -        | ᅱ        |          |          | $\vdash$  | Н              | Н              | H        |
| -        | 8             | H            | ١,              | ┝        | ┢        | Н               | H                  | -         |          | -     |  | 58       | 1-1              | $\dashv$           | _       | +                                      | Н              | $\dashv$ | 十       | 1        | <del> </del>                                     | 108        | $\Box$   | ╛        | コ        |          |          | П         | П              | П              | r        |
|          | 9             | H            | Y               | _        | ┢        | Н               | $\vdash$           | _         |          |       |  | 59       | $\Box$           | 1                  | Ť       | $\top$                                 |                | _        | $\top$  | 7        |  | 109        |          |          | ٦        |          |          | П         | П              |                | Γ        |
|          | 10            | T            | 1/              | $\neg$   | 1        |                 |                    | $\neg$    | 一        |       |  | 60       | $\Box$           | T                  |         | Т                                      |                |          |         |          |  | 110        |          |          |          |          |          |           |                |                |          |
|          | 11            |              | 1               |          |          |                 |                    |           | . ]      | ]     |  | 61       | П                |                    |         |  |                |          |         |          |  | 111        |          | •        |          |          |          |           |                |                |          |
|          | 12            | γ            | ¥               |          | ļ        |                 | Ц                  |           |          | ]     |  | 62       | 1_1              | 4                  |         | ــــــــــــــــــــــــــــــــــــــ | Ш              | 1        | $\perp$ | 400      | <u> </u>   | 112        |          | _        | _        |          | L        | Ш         | Ш              |                | L        |
|          | 13            | 1            | 1               |          | <u> </u> | Ш               | $\sqcup$           | _         |          |       | <u> </u>   | 63       | ₩                | 4                  | _       | ╄                                      | -              | -        | -       | 4        |  | 113        | $\vdash$ | 4        | _        | _        |          | Н         | Н              | $\vdash$       | Ł        |
|          | 14            | <u> </u>     |                 |          | _        | $\vdash$        | $\vdash$           | -         |          | -     |  | 64       | $\vdash$         | 4                  |         | ┿                                      | Н              | -        | +       | 4::::    |  | 114<br>115 | Н        | $\dashv$ | ᅥ        | _        | -        | -         | $\vdash$       |                | ŀ        |
| -        | 15<br>16      | <u> </u>     | Н               | -        | -        | ┝               | $\vdash$           | $\dashv$  | +        |       | <u> </u>   | 65<br>66 |                  | +                  | -       | ╁╌                                     | Н              | $\dashv$ | +       | $\dashv$ |  | 116        | $\vdash$ | +        | -        |          | -        |           | Н              | Н              | H        |
| -        | 17            | <del> </del> | $\vdash$        | _        | ┢        | Н               | H                  |           |          | -     | <del>  .</del>                                   | 67       | $\vdash$         | -†                 | +       | ╁╌                                     |                | +        | 十       | -        |  | 117        | $\vdash$ | -        |          |          |          | Н         | Н              | $\vdash$       | t        |
| $\vdash$ | 18            | -            | Н               | -        | -        | Н               | H                  | $\dashv$  | $\dashv$ | 1     |  | 68       | 1-1              | $\dashv$           |         | +                                      | ${}^{\dagger}$ | 1        |         | ٦.       |  | 118        |          | $\dashv$ | ┪        |          |          | П         |                |                | r        |
|          | 19            | <u> </u>     |                 |          | Н        | Ħ               | Н                  | _         | _        | 1     |  | 69       | $\Box$           | 7                  | ┪       | 1                                      | П              |          | ┪       |          |  | 119        |          |          |          |          |          | П         |                |                | Γ        |
|          | 20            |              | П               |          | _        | П               | П                  | $\neg$    | $\top$   | 1     |  | 70       |                  |                    |         |  |                |          |         |          |  | 120        | i        |          |          |          |          |           |                |                |          |
|          | 21            |              |                 |          |          |                 |                    |           |          | ]:::: |  | 71       |                  |                    |         | L                                      |                |          |         |          |  | 121        |          | _        | _        |          |          |           | Ш              |                | L        |
|          | 22            |              |                 |          |          |                 | Ц                  |           |          | ļ.,   | L  | 72       | Ш                | 4                  | 4-      | 4_                                     | Ш              | _        | 4       | 4        | <u> </u>   | 122        |          | 4        | _        | _        |          | <b>  </b> |                | Ш              | L        |
|          | 23            | <u>_</u>     | Ш               |          | ļ        |                 | $\sqcup$           | _         | _ _      | 1     | <u> </u>   | 73       | $\vdash$         | 4                  | 4       | ╀-                                     | -              | -        | 4       | 4        |  | 123        | $\vdash$ |          |          | -        |          | Н         | Н              | -              | L        |
| $\vdash$ | 24            | _            |                 |          | <u> </u> | $\vdash$        | $\vdash$           |           |          | 1     | <u> </u>   | 74       | ╌                | +                  |         | ╀                                      | Н              | $\vdash$ | +       | -        |  | 124<br>125 | $\dashv$ | ┥        | -        |          |          | Н         | Н              | $\vdash$       | Ͱ        |
| -        | 25<br>26      | $\vdash$     | Н               |          | ┝        | Н               | Н                  | ᅱ         |          | -     |  | 75<br>76 | $\vdash$         | ┰                  | ╅       |  | Н              | $\vdash$ | ╬       | -        |  | 126        | -        | $\dashv$ | ᅥ        |          | Н        | Н         |                |                | H        |
| $\vdash$ | 27            | -            | Н               |          | ┝        | Н               | $\dashv$           | ┪         | +        | 1     |  | 77       | $\vdash$         | $\dashv$           |         | +                                      | Н              | $\dashv$ | +       | -        |  | 127        | $\dashv$ | 7        | ᅥ        |          | Н        | Н         | М              | Н              | r        |
| H        | 28            | $\vdash$     | Н               | H        | Н        | Н               | $\dashv$           | -         | +        |       |  | 78       | $\vdash$         | 寸                  | _       | T                                      | Н              | $\dashv$ | す       |          |  | 128        | 1        | $\dashv$ | T        | _        |          | П         | П              | $\sqcap$       | r        |
|          | 29            |              |                 |          | T        | П               | $\Box$             | 寸         | _        | 1     |  | 79       |                  | 7                  | T       |  |                |          |         |          |  | 129        |          |          |          |          |          |           |                |                |          |
|          | 30            |              |                 |          |          |                 |                    |           |          | ]     |  | 80       |                  |                    | $\Box$  |  |                |          |         |          |  | 130        |          |          |          |          |          |           |                |                | L        |
|          | 31            |              |                 |          |          |                 | $\neg$             |           |          |       |  | 81       | Ш                | $\bot$             |         | _                                      | Ш              | _        | 1       | _        |  | 131        |          | 4        | 4        |          |          | Ш         | Ш              | Ш              | L        |
|          | 32            |              |                 |          |          |                 | 4                  | _         |          |       |  | 82       | 1                | 4                  |         | ╄                                      | Ш              | 4        | 4       | _        |  | 132        | _        | _        |          |          | Н        | Ш         | $\square$      | Ш              | L        |
|          | 33            | $oxed{L}$    |                 |          |          | Ш               | $\sqcup$           | -         | - -      |       |  | 83       | -                |                    | -       | ┼                                      |                | $\dashv$ | +       | 4        | <u> </u>   | 133<br>134 |          | -+       | -        |          | $\vdash$ |           | -              | $\vdash\vdash$ | H        |
| -        | 34            | <b> </b>     | Ш               | Щ        |          | -               | $\vdash$           | -         | - -      |       | <b> </b>   | 84<br>85 | ╁                | +                  |         | ╁                                      | Н              | -        | +       | -        |  | 135        | $\dashv$ | +        | -        |          | $\vdash$ | $\vdash$  | $\vdash$       | Н              | ┝        |
|          | 35<br>36      | -            |                 | Н        | $\vdash$ | Н               | $\vdash \vdash$    | $\dashv$  | +-       | 1     |  | 86       | ╁┼               | +                  | +       | ┿                                      | $\vdash$       | +        | +       | -        |  | 136        | $\dashv$ | ┪        | ┥        | $\dashv$ | H        | $\vdash$  | $\vdash$       | Н              | H        |
| $\vdash$ | 37            | $\vdash$     |                 |          | -        | $\vdash$        | $\dashv$           | 十         | 1-       | l     | <del>                                     </del> | 87       | $\vdash$         | +                  | +       | 1                                      | Н              | $\dashv$ | +       | 1        |  | 137        | $\dashv$ | 7        | 7        |          | -        | $\dashv$  | $\Box$         | $\sqcap$       | ۲        |
| $\vdash$ | 38            | Н            | Н               | -        | $\vdash$ | $\Box$          | $\vdash \uparrow$  | 7         | _        | 1     |  | 88       | $\Box$           | _                  | 丁       | 1                                      | П              |          | $\top$  | ]        |  | 138        |          | ╛        |          |          |          |           |                |                | Г        |
|          | 39            |              |                 |          |          |                 |                    |           |          | 1     |  | 89       |                  |                    | $\perp$ |  |                |          | $\perp$ |          |  | 139        | $\Box$   | $\Box$   | $\Box$   |          |          |           |                |                | Ĺ        |
|          | 40            |              |                 |          |          |                 |                    | $\Box$    |          |       |  | 90       |                  | $oldsymbol{\perp}$ |         |  | $\Box$         | $\Box$   | $\perp$ | _        |  | 140        |          | Д        | $\Box$   |          | Ŀ        |           | Ш              | Ш              | Ĺ        |
|          | 41            |              |                 |          |          | П               |                    | $\Box$    |          |       |  | 91       |                  | $\perp$            | 4       | ╀                                      | Ш              | $\sqcup$ | 4       | _        | <u> </u>   | 141        | _        | 4        | _        | _        | Ш        | Ш         | Щ              | Ш              | L        |
|          | 42            | Ш            | <b> </b>        |          | Ļ.       | 니               | 1                  | 4         |          |       | L  | 92       | <del>     </del> | 4                  | 4       | ╁                                      | Ш              |          | 4       | 4        | <u> </u>   | 142        | $\dashv$ | 4        | -        |          | Н        | $\vdash$  |                |                | H        |
| $\vdash$ | 43            |              | $\sqcup$        | _        | _        | ╀╌┤             | 1                  | 4         | -        | 4     | <b> </b>   | 93       | $\vdash$         | +                  | +       | ╀                                      | Н              | -        | +       | -        | <b></b> -  | 143<br>144 | $\dashv$ | +        | -        |          | $\vdash$ | $\vdash$  | $\vdash$       | Н              | $\vdash$ |
| $\vdash$ | 44            | Щ            |                 | Н        | <u> </u> | $\vdash$        |                    | $\dashv$  | -        | 1     | <del> </del>                                     | 94<br>95 | -                | +                  | +       | +-                                     | -              | +        | +       | -        |  | 144        | +        | ┥        | $\dashv$ | $\dashv$ | $\dashv$ | -         | $\vdash$       |                | H        |
| H        | 45<br>46      | $\vdash$     | $\vdash$        | _        | -        | ┝╌┤             | $\dashv$           | +         |          | 1     | ┝┈   | 96       | $\vdash$         | +                  | - -     | +                                      | $\vdash$       | +        | +       | -        | <del>                                     </del> | 146        | $\dashv$ | ┪        | +        | $\dashv$ | H        | $\vdash$  | $\dashv$       |                | H        |
| $\vdash$ | 47            | H            |                 | $\dashv$ | -        |                 | -                  | $\dashv$  | +        |       | <del>                                     </del> | 97       | +                | +                  |         | ✝                                      | H              | $\dashv$ | 十       | 1        |  | 147        | +        | ┪        | $\dashv$ | $\dashv$ | Н        | $\Box$    | $\Box$         | П              | r        |
| $\vdash$ | 48            | $\vdash$     | $\vdash \dashv$ | $\dashv$ | -        | $\vdash \vdash$ | +                  | $\dashv$  | $\dashv$ |       | $\vdash$   | 98       | $\vdash \vdash$  | 十                  | +       | T                                      | П              | _        | ┪       | 7        |  | 148        | $\dashv$ | _        |          |          |          |           | 口              |                |          |
|          | 49            | $\Box$       |                 |          |          |                 |                    | $\exists$ | $\Box$   |       |  | 99       |                  | I                  |         | Ţ                                      |                |          | $\Box$  |          |  | 149        |          | $\Box$   | $\Box$   |          |          |           |                |                | Ĺ        |
|          | 50            |              |                 |          |          | $\Box$          |                    |           |          |       |  | 100      |                  | $\perp$            |         |  |                | $\Box$   | $\perp$ |          |  | 150        |          | _[       |          |          |          |           |                | $\square$      | Ĺ        |
|          |               |              |                 |          |          |                 |                    |           |          |       |  |          |                  |                    |         |  |                |          |         |          |  |            |          |          |          |          |          |           |                |                |          |